

Technical Bulletin

Product: Checking WB6 burner gaskets during servicing

INCLUDED APPLIANCES ARE: GREENSTAR 24, 28 & 30 FSN GB, RI, I, SI, & I ERP

For any included boiler that is 5 years old at the time of servicing, it is recommended that an additional check is carried out to determine the integrity of the burner clamp plate gasket.

Once the boiler has exceeded 5 years beyond its date of manufacture, then it is advised that the following additional check should be carried out at every annual service unless the gasket has been replaced, and this is clearly recorded in the servicing records. If this is the case, then the check does not need to be repeated until the gasket is 5 years old. Please refer to tables 1 & 2 to determine whether a gasket integrity check is required.

Note: The results from the check are for indication purposes only and do not represent actual levels of combustion gases present around the area being sampled.

Correct flue gas readings will only be obtained during the flue gas analysis checks.

This check must be carried out with a calibrated flue gas analyser.

To carry out the gasket check:

- Ensure safe working practices: With the case on, carry out an initial flue gas analysis test to ensure the boiler is not producing high levels of CO. The test should be continued long enough to ensure the CO reading has stabilised. Turn the appliance off before removing the case.
- Warning: If CO readings continue to rise or are >200ppm, you must exercise caution when working on the appliance with the case removed.
- The gasket test must be carried out from the front of the appliance with the case off. Ensure the work area is adequately ventilated and carry out the test as soon as possible after re-lighting the appliance.
- Zero the analyser in fresh air.
- Ensure the boiler is in Chimney Sweep mode (Max)
- Slowly move the probe around the perimeter of the burner clamp plate gasket and around the area where the ignition electrodes are situated (see Fig. 1). The probe should be within 10mm of the gasket.
- If any CO or CO₂ is detected around the burner clamp plate gasket that is above the ambient analyser readings, the gasket must be replaced and the test repeated.
- Whilst the heat exchanger is open for the gasket replacement, we would recommend that in order to maintain ongoing optimal performance, the heat exchanger is cleaned, and the electrodes are replaced.

Burner gasket spare part number:

8-711-004-325-0 - Greenstar 24, 28 & 30 FSN GB

8-716-110-534-0 - Greenstar Ri, i, Si, & i ErP

Electrode set including burner gasket spare part number:

8-737-600-795-0 - Greenstar 24, 28 & 30 FSN GB

8-716-116-381-0 - Greenstar Ri, i, Si, & i ErP

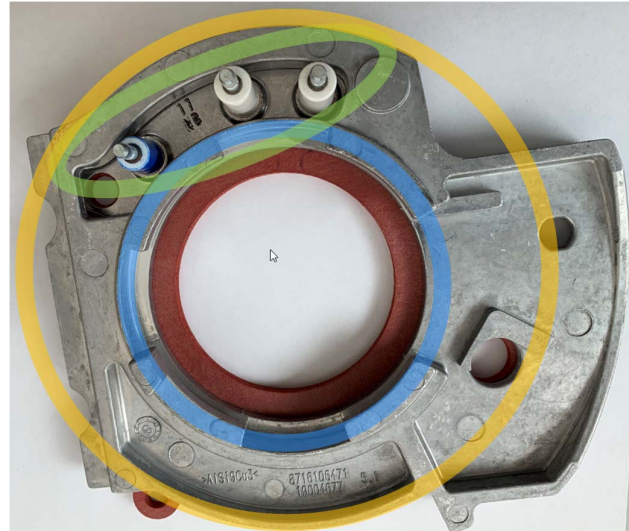


Fig. 1) Burner clamp plate with areas marked for clarity

Fig. 1 shows examples of the typical areas that should be checked with the flue gas analyser as part of the additional check. This includes:

- Around the ignition electrodes
- Around the outer perimeter of the burner clamp plate
- Where a separate air gas manifold is connected to the clamp plate sealing face, this interface should be checked.

Table 1 Month codes from 2007 to 2013:

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2007	781	782	783	784	785	786	787	788	789	790	791	792
2008	881	882	883	884	885	886	887	888	889	890	891	892
2009	981	982	983	984	985	986	987	988	989	990	991	992
2010	001	002	003	004	005	006	007	008	009	010	011	012
2011	101	102	103	104	105	106	107	108	109	110	111	112
2012	201	202	203	204	205	206	207	208	209	210	211	212
2013	301	302	303	304	305	306	307	308	309	310	311	312

Table 2 Month codes from 2014 to 2018

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	417	418	419	420	453	454	455	456	457	458	459	460
2015	517	518	519	520	553	554	555	556	557	558	559	560
2016	617	618	619	620	653	654	655	656	657	658	659	660
2017	717	718	719	720	753	754	755	756	757	758	759	760
2018	817	818	819	820	853	854	855	856	857	858	859	860

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